

N^o 20,654



A.D. 1894

Date of Application, 29th Oct., 1894

Complete Specification Left, 28th Aug., 1895—Accepted, 26th Oct., 1895

PROVISIONAL SPECIFICATION.

An Improvement in Powder Blowers.

5 ENEA DECESARI 5 Gresse Street Rathbone Place London W. Insect Destroyer and Manufacturer do hereby declare the nature of this invention to be as follows :—

A bellows for using insect destroying powder so constructed in the interior with
5 a metal plate that the powder can be distributed anywhere necessary.

The metal plate consists of a round convex plate pierced with small holes and connected with a metal tube extending from it into the nozzle of bellows. The round convex plate being immediately below the hole in upper part of bellows used to insert the powder & which is afterwards securely corked by a removable
10 cork.

ENEA DECESARI.

COMPLETE SPECIFICATION.

An Improvement in Powder Blowers.

15 I ENEA DECESARI of No. 5 Gresse Street Rathbone Place London W. Insect Destroyer and Manufacturer do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

A blower of bellows form such blower or bellows being constructed in the interior with a perforated metal plate or dome and a metal tube extending from
20 such perforated metal plate or dome so that insect or other powder or powders can be distributed anywhere necessary.

The perforated metal plate or dome consists of a round or other shaped plate of a convex form perforated as aforesaid and connected with a metal tube or pipe extending from such perforated metal plate or dome into the nozzle of the blower
25 or bellows.

The round or other shaped perforated plate or dome being fixed on the interior side of the bottom board of the blower or bellows immediately below the hole in the upper board of such blower or bellows which hole is used for the purpose of inserting the insect or other powder or powders into the blower or bellows after
30 which insertion the said hole is securely closed by a removable cork or other suitable stopper and by a slight pressure of the fingers and thumb of the manipulator on the external sides of the two boards furthest from the nozzle of the blower or bellows the insect or other powder or powders is forced through the holes into the perforated metal plate or dome which perforated metal plate or dome is as
35 aforesaid fixed on the interior of the bottom board of the blower or bellows and the insect or other powder or powders passing through the metal tube or pipe extending from the said perforated metal plate or dome is expelled or ejected from the nozzle of the said blower or bellows.

In the accompanying drawing Fig. 1 is a perspective view of a blower. Fig. 2
40 a side view in section and Fig. 3 a plan with the top board removed.

[Price 8d.]

Decesari's Improvement in Powder Blowers.

In the three Figures 1, 2 and 3 “*a*” is the hole through which is inserted the insect or other powder or powders required to be distributed “*b*” being the perforated plate or dome, the perforations “*c*” which are for the purpose of allowing the insect or other powder or powders to be forced through the metal plate or dome “*b*,” “*d*” is the tube or pipe attached to plate “*b*” and extending into nozzle “*e*” of the blower—“*f*” is the top board and “*g*” the bottom board and “*h h*” the springs of the said blower or bellows. 5

The action of the blower or bellows is as follows When it is required to distribute insect or other powder or powders such powder is inserted into the blower through the hole “*a*” after which the said hole is securely closed by means of a cork or other suitable stopper (not shewn on drawing) The blower is then held in one hand only of the operator and by a slight pressure of the fingers and thumb the two boards “*f*” and “*g*” are brought together and the air thus compressed forces the insect or other powder through the perforations “*c*” of the plate or dome “*b*” along the tube “*d*” and out of the nozzle “*e*.” 10 15

The perfect and uniform distribution of the powder depending upon the amalgamation which takes place between the air and the insect or other powder or powders when passing through the perforations “*c*” of the plate “*b*.”

The springs “*h h*” are for the purpose of returning the board “*f*” of the blower or bellows to its normal position after each depression of the said board by the fingers and thumb of the operator. 20

The bellows may be used for the purpose of removing dust or any other powdered rubbish resulting from the manufacture of any article or articles sculptures or masons work and the like thus enabling the operator to have one hand disengaged for the carrying out of his work whilst using the blower with the other hand a slight pressure of the fingers and thumb on the two outer boards being only necessary. 25

CLAIMS.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is as follows.— 30

1. An improvement in blowers or bellows such as hereinbefore described for the purpose of distributing insect or other powder or powders to any place necessary.

2. An improvement in blowers or bellows so constructed with springs such as previously described to be manipulated with one hand only of the operator. The bellows may be used for the purpose of removing dust or any other powdered rubbish resulting from the manufacture of any article or articles sculptures and masons work and the like thus enabling the operator to have one hand disengaged for the carrying on of his work whilst using the blower with the other hand, a slight pressure of the fingers and thumb on the two outer boards being only necessary. 35 40

3. In a blower or bellows a convex plate or dome of any suitable metal or material and of any suitable shape having perforations for the purpose of distributing insect or other powder or powders in or on any place necessary hereinbefore described. 45

4. In a blower or bellows: The combination of a tube or pipe with the perforated plate or dome extending from the said perforated plate or dome and passing into the nozzle of the blower for the purpose of distributing insect or other powder or powders hereinbefore described. 50

Dated the Twenty-eighth day of August One thousand eight hundred and ninety-five.

ENEA DECESARI.



fig 1.

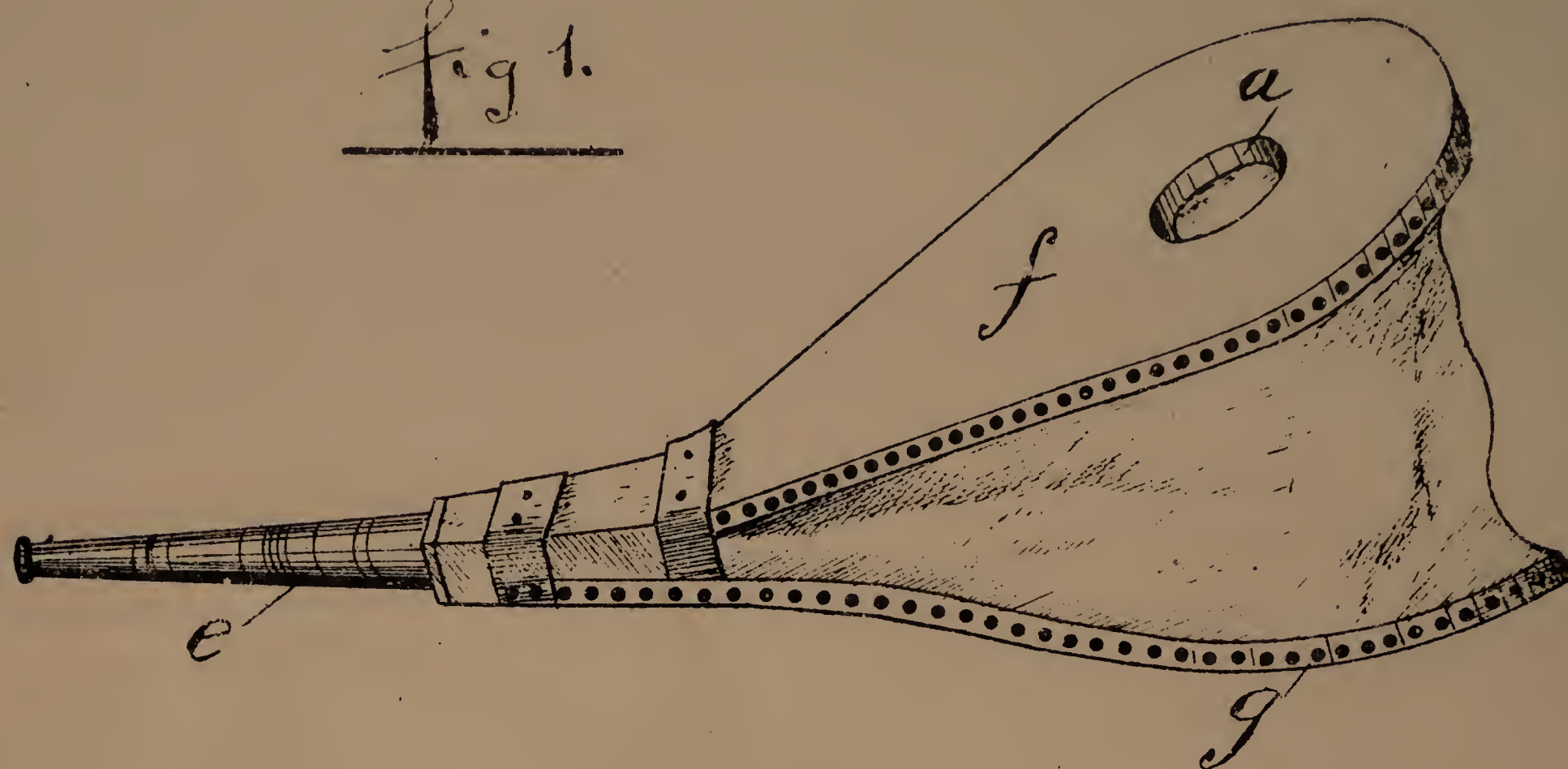


fig 2

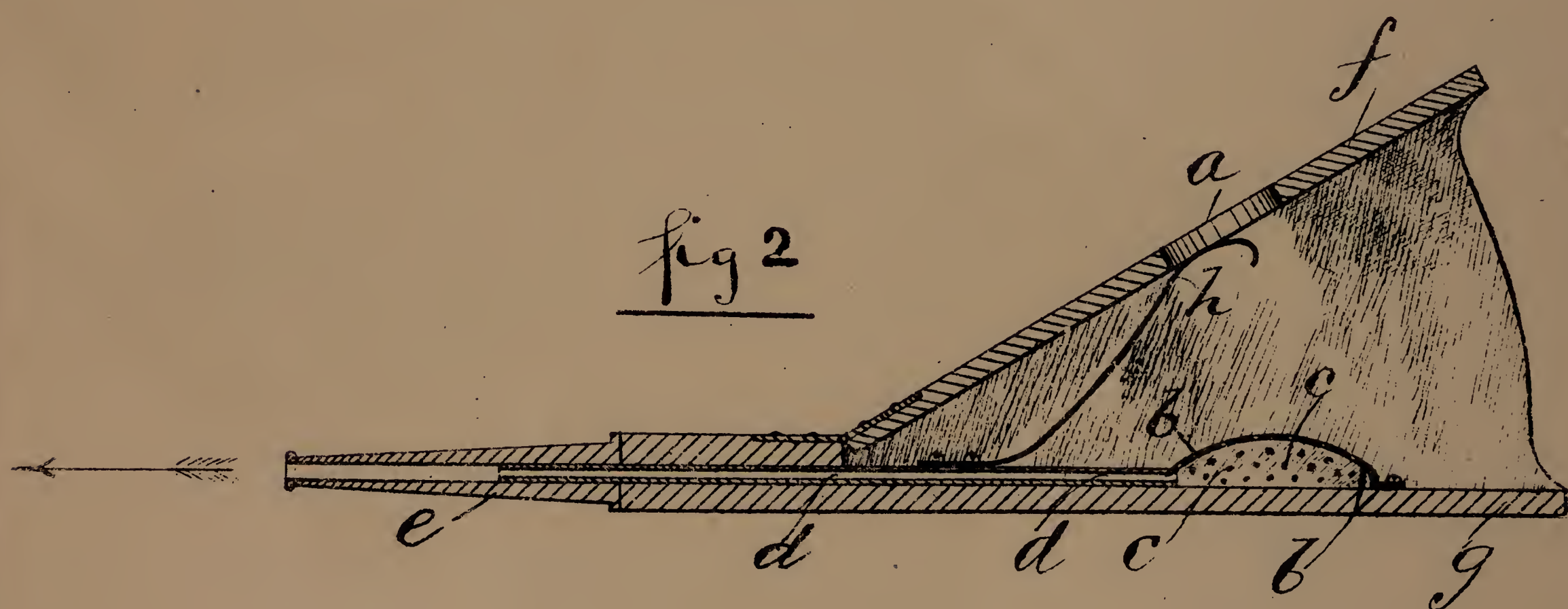
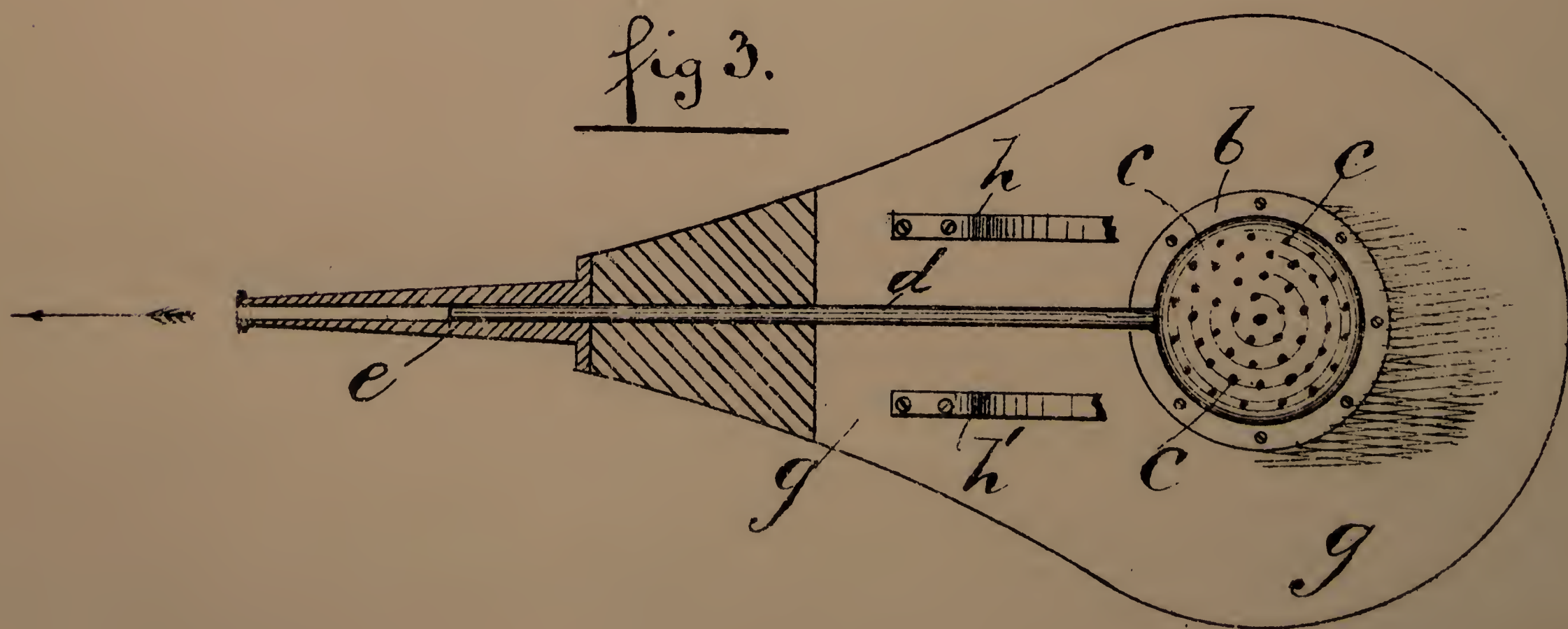


fig 3.



[This Drawing is a full-size reproduction of the Original.]

